

Atty. Docket No.: 21153-05920

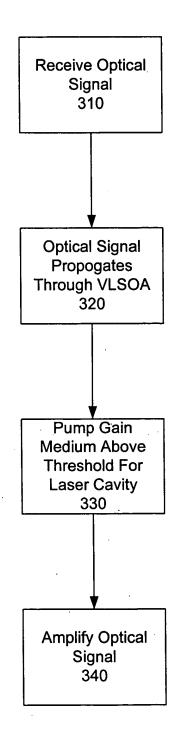


Figure 3

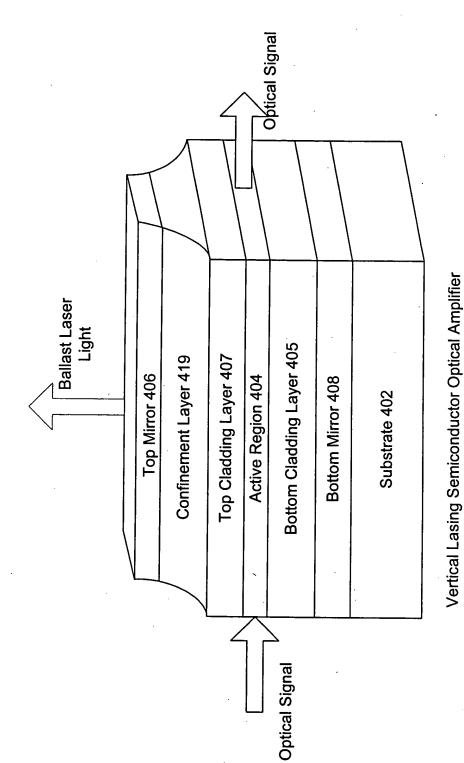
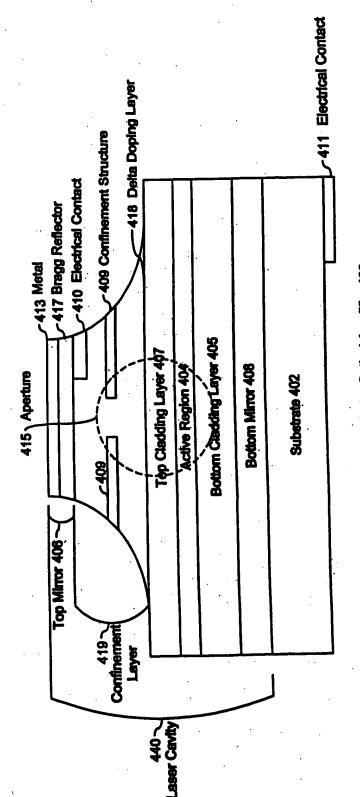
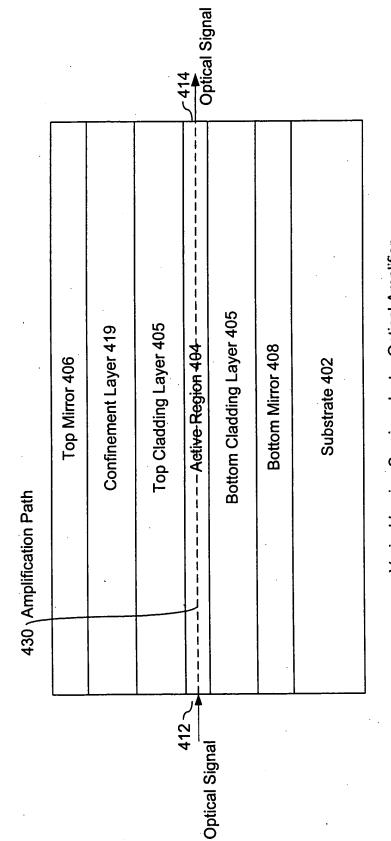


Figure 4A



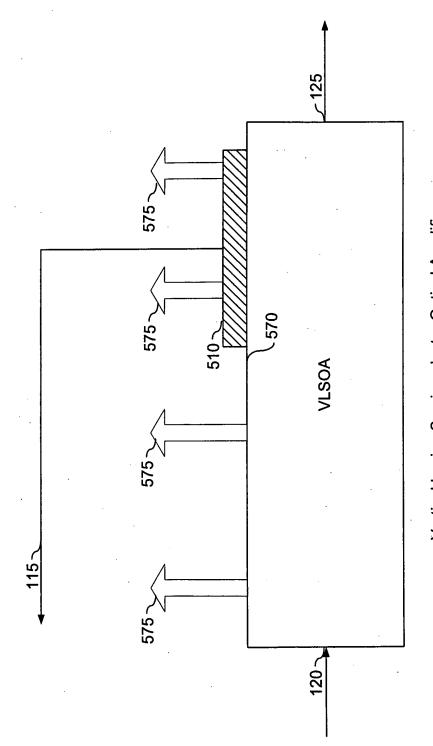
Vertical Lasing Semiconductor Optical Amplifier 400





Verical Lasing Semiconductor Optical Amplifier

Figure 4C



Vertical Lasing Semiconductor Optical Amplifier 500

Figure 5

Street and the first hall but the

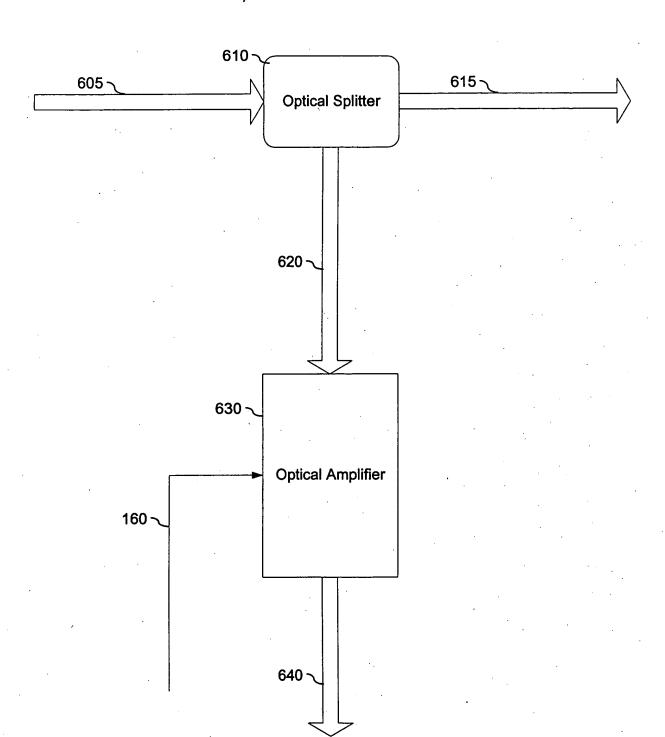
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Title: Optical Crossbar Using Lasing Semiconductor Optical Amplifiers

Inventors: Sol P. DiJaili & Jeffrey D. Walker

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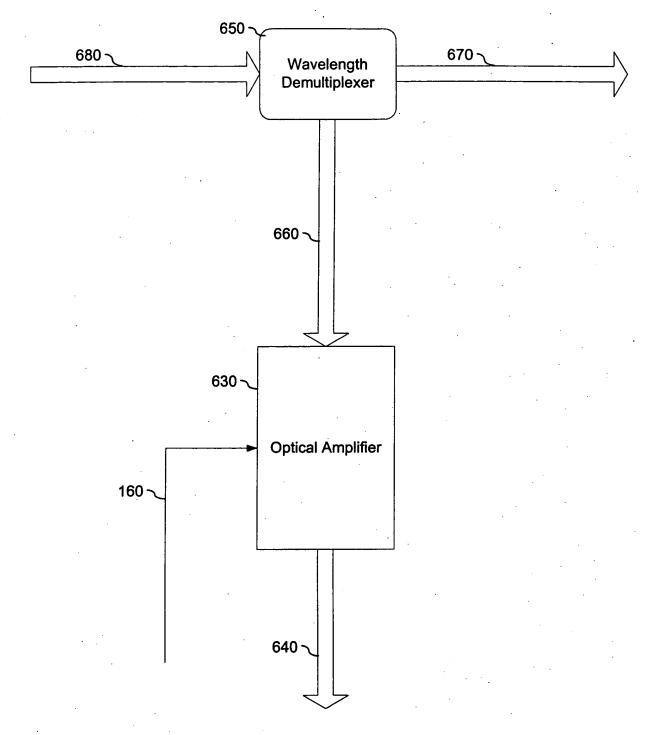
Optical Routing Node 170
Figure 6A

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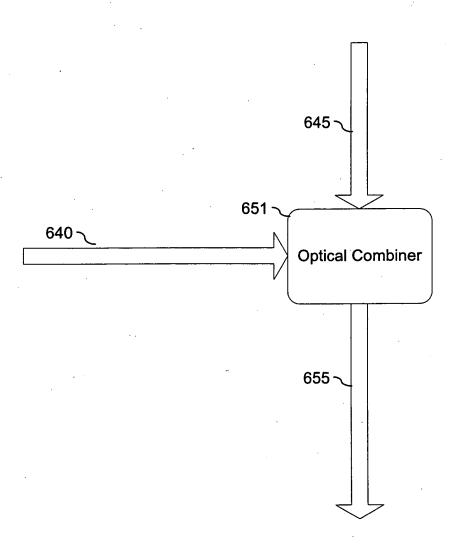
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Optical Routing Node 170 Figure 6B

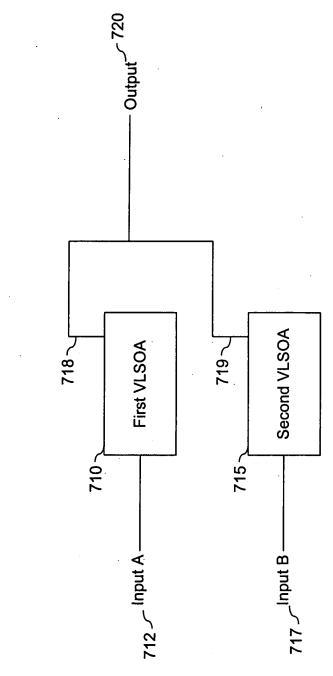


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Optical Combiner 151

Figure 6C



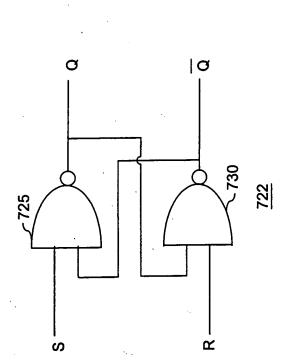
Optical NAND Gate 700

Figure 7A

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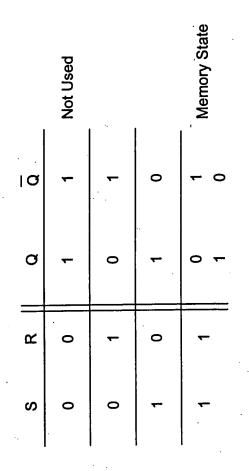
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Input A Input B



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Optical Flip-Flop



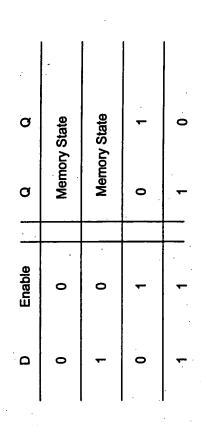
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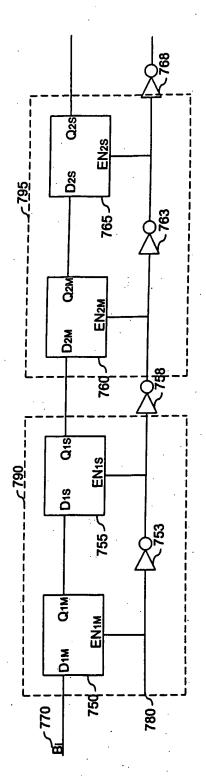
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Optical Buffer Element Figure 7C

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Semiconductor Optical Amplifiers Inventors: Sol P. DiJaili & Jeffrey D. Walker

Figure 8

Input Port